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Applicant

THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, INC. et al

The International Bureau transmits herewith the following documents:

- ☐ copy of the international application as published by the International Bureau on under No. WO
- ☒ copy of international application as republished by the International Bureau on 25 August 2005 (25.08.2005) under No. WO 2005/052366
- For an explanation as to the reason for this republication of the international application, reference is made to INID codes (15), (48) or (88) (as the case may be) on the front page of the attached document.

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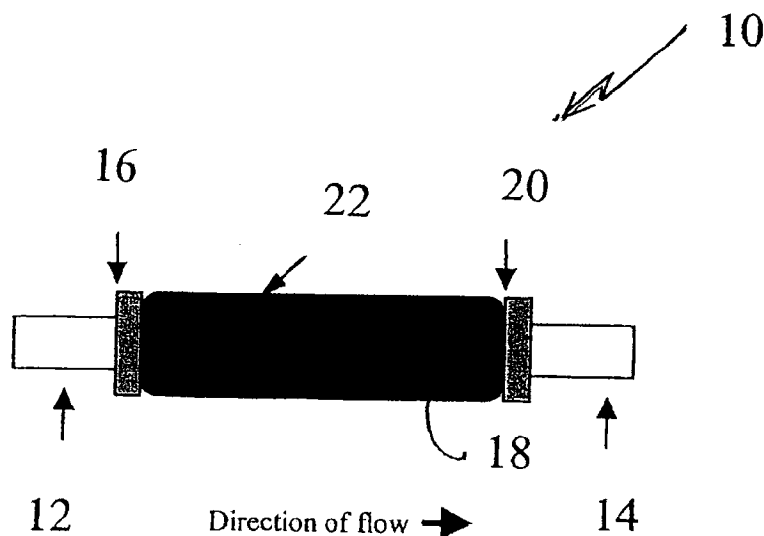
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[Continued on next page]

(54) Title: PORTABLE HAND PUMP FOR EVACUATION OF FLUIDS



(57) Abstract: A manually operable pump (10) for the effective removal of fluids to include blood, blood clots, fluid, and air from a body cavity of a subject is provided. The manually operable pump is adapted to be connect to a range of fluid conduits (12, 14) and is equipped with one-way valves (16, 20) that effectively permit flow of fluid through the pump in only one direction. The sensitivity of the one-way valves is such that when properly positioned, fluid can flow through the valves (16, 20) and out of the pump (10) without manual compression of fluid.



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/38937

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A 61M 1/00  
US CL : 604/540, 319

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 604/540, 319, 30-38, 73-75, 131, 133, 142, 540-544, 317, 320-321

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
East: manual, portable, pump, medical, surgical, human, suction, aspiration, breast, gravity, hand, foot, negative

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — Y	US 5,112,323 A (WINKLER et al) 12 May 1992 (12.05.1992), see Figures.	1-14 and 16 — 15
X  — Y	US 4,029,095 A (PENA) 14 June 1977 (14.06.1977), see Figure 2.  US 3,572,340 A (LLOYD et al) 23 March 1971 (23.03.1971), see col. 9, lines 60-63 and col. 10, lines 56-75.	1-8, 10-14 and 16  15

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A"	document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		

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